

WE CLAIM

Sub. A1 → 1. Process for the treatment of polluted metal-mechanic industrial waste water and urban water, comprising: treating the polluted water with about 400 to about 2000 grams of acid liquor including ferrous chloride and hydrochloric acid, 5 per cubic meter of polluted water, in order to promote the denaturalization of protein present in metal-mechanic industrial water or urban water and generate a clarifying and purifying flocculus from said polluted water.

2. The process as claimed in claim 1, wherein the ferrous chloride is hexahydrated ferrous chloride.

10 3. The process as claimed in claim 1, wherein the acid liquor is a spent pickling liquor containing ferrous chloride and hydrochloric acid, derived from metal-mechanic industry processes.

4. The process as claimed in claim 1, wherein the acid liquor is a spent pickling liquor comprising from about 1 to about 220 g/l of ferrous chloride, at 15 least about 10 g/l of hydrochloric acid and the remainder comprising water.

Sub. A2 → 5. The process as claimed in claim 1, wherein it is promoted the formation of a flocculus of organic material.